

LCLS-2 LLRF Hardware Architecture Concept

Larry Doolittle, 2014-04-14, revised 2014-10-30

- L-band (1300 MHz RF, 1320 MHz LO)
- 650 MHz
- - - Low-latency digital link, optical fiber

LO Gen (PLL or x4?)
with distribution amp

Four cavities (one penetration) shown
Timing, Interlocks, etc. not shown
"Not to scale"

